

0270

OIPE

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/677,752

DATE: 10/12/2000
TIME: 18:31:08

Input Set: A:\seqlist.txt
Output Set: N:\CRF3\10122000\I677752.raw

```

4 <110> APPLICANT: W. James Jackson
6 <120> TITLE OF INVENTION: Chlamydia sp PROTEIN, GENE SEQUENCE AND
7   USES THEREOF
9 <130> FILE REFERENCE: 7969-087
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/677,752
C--> 11 <141> CURRENT FILING DATE: 2000-10-03
11 <160> NUMBER OF SEQ ID NOS: 71
13 <170> SOFTWARE: FastSEQ for Windows Version 3.0
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 2898
17 <212> TYPE: DNA
18 <213> ORGANISM: Chlamydia sp
20 <220> FEATURE:
21 <221> NAME/KEY: CDS
22 <222> LOCATION: (1)...(2895)
24 <400> SEQUENCE: 1
25 atg aaa aaa gcg ttt ttc ttt ttc ctt att gga aac tcc cta tca gga      48
26 Met Lys Lys Ala Phe Phe Phe Leu Ile Gly Asn Ser Leu Ser Gly
27   1           5          10          15
29 cta gct aga gag gtt cct tct aga atc ttt ctt atg ccc aac tca gtt      96
30 Leu Ala Arg Glu Val Pro Ser Arg Ile Phe Leu Met Pro Asn Ser Val
31   20          25          30
33 cca gat cct acg aaa gag tcg cta tca aat aaa att agt ttg aca gga      144
34 Pro Asp Pro Thr Lys Glu Ser Leu Ser Asn Lys Ile Ser Leu Thr Gly
35   35          40          45
37 gac act cac aat ctc act aac tgc tat ctc gat aac cta cgc tac ata      192
38 Asp Thr His Asn Leu Thr Asn Cys Tyr Leu Asp Asn Leu Arg Tyr Ile
39   50          55          60
41 ctg gct att cta caa aaa act ccc aat gaa gga gct gct gtc aca ata      240
42 Leu Ala Ile Leu Gln Lys Thr Pro Asn Glu Gly Ala Ala Val Thr Ile
43   65          70          75          80
45 aca gat tac cta agc ttt ttt gat aca caa aaa gaa ggt att tat ttt      288
46 Thr Asp Tyr Leu Ser Phe Asp Thr Gln Lys Glu Gly Ile Tyr Phe
47   85          90          95
49 gca aaa aat ctc acc cct gaa agt ggt ggt gcg att ggt tat gct aca atc      336
50 Ala Lys Asn Leu Thr Pro Glu Ser Gly Gly Ala Ile Gly Tyr Ala Ser
51   100         105         110
53 ccc aat tct cct acc gtg gag att cgt gat aca ata ggt cct gta atc      384
54 Pro Asn Ser Pro Thr Val Glu Ile Arg Asp Thr Ile Gly Pro Val Ile
55   115         120         125
57 ttt gaa aat aat act tgt tgc aga cca ttt aca tgc agt aat cct aat      432
58 Phe Glu Asn Asn Thr Cys Cys Arg Pro Phe Thr Ser Ser Asn Pro Asn
59   130         135         140
61 gca gct gtt aat aaa ata aga gaa ggc gga gcc att cat gct caa aat      480
62 Ala Ala Val Asn Lys Ile Arg Glu Gly Gly Ala Ile His Ala Gln Asn
63   145         150         155         160
65 ctt tac ata aat cat aat cat gat gtg gtc gga ttt atg aag aac ttt      528

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/677,752

DATE: 10/12/2000

TIME: 18:31:08

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\10122000\I677752.raw

66	Leu	Tyr	Ile	Asn	His	Asn	His	Asp	Val	Val	Gly	Phe	Met	Lys	Asn	Phe
67					165				170				175			
69	tct	tat	gtc	cga	gga	gga	gcc	att	agt	acc	gct	aat	acc	ttt	gtt	gtg
70	Ser	Tyr	Val	Arg	Gly	Gly	Ala	Ile	Ser	Thr	Ala	Asn	Thr	Phe	Val	Val
71					180				185				190			
73	agc	gag	aat	cag	tct	tgt	ttt	ctc	ttt	atg	gac	aac	atc	tgt	att	caa
74	Ser	Glu	Asn	Gln	Ser	Cys	Phe	Leu	Phe	Met	Asp	Asn	Ile	Cys	Ile	Gln
75					195				200				205			
77	act	aat	aca	gca	gga	aaa	ggg	ggc	gct	atc	tat	gct	gga	acg	acg	aat
78	Thr	Asn	Thr	Ala	Gly	Lys	Gly	Gly	Ala	Ile	Tyr	Ala	Gly	Thr	Ser	Asn
79					210				215				220			
81	tct	ttt	gag	agt	aat	aac	tgc	gat	ctc	ttc	ttt	atc	aat	aac	gcc	tgt
82	Ser	Phe	Glu	Ser	Asn	Asn	Cys	Asp	Leu	Phe	Phe	Ile	Asn	Asn	Ala	Cys
83					225				230				235			240
85	tgt	gca	gga	gga	gcg	atc	ttc	tcc	cct	atc	tgt	tct	cta	aca	gga	aat
86	Cys	Ala	Gly	Gly	Ala	Ile	Phe	Ser	Pro	Ile	Cys	Ser	Leu	Thr	Gly	Asn
87					245				250				255			
89	cgt	ggt	aac	atc	gtt	ttc	tat	aac	aat	cgc	tgc	ttt	aaa	aat	gta	gaa
90	Arg	Gly	Asn	Ile	Val	Phe	Tyr	Asn	Asn	Arg	Cys	Phe	Lys	Asn	Val	Glu
91					260				265				270			
93	aca	gct	tct	tca	gaa	gct	tct	gat	ggg	gga	gca	att	aaa	gta	act	act
94	Thr	Ala	Ser	Ser	Glu	Ala	Ser	Asp	Gly	Gly	Ala	Ile	Lys	Val	Thr	Thr
95					275				280				285			
97	cgc	cta	gat	gtt	aca	ggc	aat	cgt	ggt	agg	atc	ttt	ttt	agt	gac	aat
98	Arg	Leu	Asp	Val	Thr	Gly	Asn	Arg	Gly	Arg	Ile	Phe	Ser	Asp	Asn	
99					290				295				300			
101	atc	aca	aaa	aat	tat	ggc	gga	gct	att	tac	gct	cct	gta	gtt	acc	cta
102	Ile	Thr	Lys	Asn	Tyr	Gly	Gly	Ala	Ile	Tyr	Ala	Pro	Val	Val	Thr	Leu
103					305				310				315			320
105	gtg	gat	aat	ggc	cct	acc	tac	ttt	ata	aac	aat	atc	gcc	aat	aat	aag
106	Val	Asp	Asn	Gly	Pro	Thr	Tyr	Ile	Asn	Asn	Ile	Ala	Asn	Asn	Lys	
107					325				330				335			
109	ggg	ggc	gct	atc	tat	ata	gac	gga	acc	agc	aac	tcc	aaa	att	tct	gcc
110	Gly	Gly	Ala	Ile	Tyr	Ile	Asp	Gly	Thr	Ser	Asn	Ser	Lys	Ile	Ser	Ala
111					340				345				350			
113	gac	cgc	cat	gct	att	att	ttt	aat	gaa	aat	att	gtg	act	aat	gta	act
114	Asp	Arg	His	Ala	Ile	Ile	Phe	Asn	Glu	Asn	Ile	Val	Thr	Asn	Val	Thr
115					355				360				365			
117	aat	gca	aat	ggg	acc	agt	acg	tca	gct	aat	cct	cct	aga	aga	aat	gca
118	Asn	Ala	Asn	Gly	Thr	Ser	Thr	Ser	Ala	Asn	Pro	Pro	Arg	Arg	Asn	Ala
119					370				375				380			
121	ata	aca	gta	gca	agc	tcc	tct	gtt	gaa	att	cta	tta	gga	gca	ggg	agt
122	Ile	Thr	Val	Ala	Ser	Ser	Ser	Gly	Glu	Ile	Leu	Leu	Gly	Ala	Gly	Ser
123					385				390				395			400
125	agc	caa	aat	tta	att	ttt	tat	gat	cct	att	gaa	gtt	agc	aat	gca	ggg
126	Ser	Gln	Asn	Leu	Ile	Phe	Tyr	Asp	Pro	Ile	Glu	Val	Ser	Asn	Ala	Gly
127					405				410				415			
129	gtc	tct	gtg	tcc	aat	aag	gaa	gct	aat	caa	aca	ggc	tct	gtt	gta	gtt
130	Val	Ser	Val	Ser	Phe	Asn	Lys	Glu	Ala	Asp	Gln	Thr	Gly	Ser	Val	Val

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/677,752

DATE: 10/12/2000
TIME: 18:31:08

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\10122000\I677752.raw

131	420	425	430	
133	ttt tca gga gct act gtt aat tct gca gat ttt cat caa cgc aat tta			1344
134	Phe Ser Gly Ala Thr Val Asn Ser Ala Asp Phe His Gln Arg Asn Leu			
135	435	440	445	
137	caa aca aaa aca cct gca ccc ctt act ctc agt aat ggt ttt cta tgt			1392
138	Gln Thr Lys Thr Pro Ala Pro Leu Thr Leu Ser Asn Gly Phe Leu Cys			
139	450	455	460	
141	atc gaa gat cat gct cag ctt aca gtg aat cga ttc aca caa act ggg			1440
142	Ile Glu Asp His Ala Gln Leu Thr Val Asn Arg Phe Thr Gln Thr Gly			
143	465	470	475	480
145	ggg gtt gtt tct ctt ggg aat gga gca gtt ctg agt tgc tat aaa aat			1488
146	Gly Val Val Ser Leu Gly Asn Gly Ala Val Leu Ser Cys Tyr Lys Asn			
147	485	490	495	
149	ggg gca gga aat tct gct agc aat gcc tct ata aca ctg aag cat att			1536
150	Gly Ala Gly Asn Ser Ala Ser Asn Ala Ser Ile Thr Leu Lys His Ile			
151	500	505	510	
153	gga ttg aat ctt tct tcc att ctg aaaa agt ggt gct gag att cct tta			1584
154	Gly Leu Asn Leu Ser Ser Ile Leu Lys Ser Gly Ala Glu Ile Pro Leu			
155	515	520	525	
157	ttg tgg gta gag cct aca aat aac agc aat aac tat aca gca gat act			1632
158	Leu Trp Val Glu Pro Thr Asn Asn Ser Asn Tyr Thr Ala Asp Thr			
159	530	535	540	
161	gca gct acc ttt tca tta agt gat gta aaaa ctc tca ctc att gat gac			1680
162	Ala Ala Thr Phe Ser Leu Ser Asp Val Lys Leu Ser Ile Asp Asp			
163	545	550	555	560
165	tat ggg aat tct cct tat gaa tcc aca gat cta acc cat gct ctg tca			1728
166	Tyr Gly Asn Ser Pro Tyr Glu Ser Thr Asp Leu Thr His Ala Leu Ser			
167	565	570	575	
169	tca cag cct atg cta tct att tct gag gct agt gat aac cag cta aga			1776
170	Ser Gln Pro Met Leu Ser Ile Ser Glu Ala Ser Asp Asn Gln Leu Arg			
171	580	585	590	
173	tct gat gat atg gat ttt tcg gga cta aat gtc cct cat tat gga tgg			1824
174	Ser Asp Asp Met Asp Phe Ser Gly Leu Asn Val Pro His Tyr Gly Trp			
175	595	600	605	
177	caa gga ctt tgg act tgg ggc tgg gca aaaa act caa gat cca gaa cca			1872
178	Gln Gly Leu Trp Thr Trp Gly Trp Ala Lys Thr Gln Asp Pro Glu Pro			
179	610	615	620	
181	gca tct tca gca aca atc aca gat cca caa aaaa gcc aat aga ttc cat			1920
182	Ala Ser Ser Ala Thr Ile Thr Asp Pro Gln Lys Ala Asn Arg Phe His			
183	625	630	635	640
185	aga acc tta tta ctg act tgg ctt cct gct ggg tat gtt cct agc ccg			1968
186	Arg Thr Leu Leu Leu Thr Trp Leu Pro Ala Gly Tyr Val Pro Ser Pro			
187	645	650	655	
189	aaa cac aga agt ccc ctc ata gcg aat acc tta tgg ggg aat atg ctg			2016
190	Lys His Arg Ser Pro Leu Ile Ala Asn Thr Leu Trp Gly Asn Met Leu			
191	660	665	670	
193	ctt gca aca gaa agc tta aaaa aat agt gca gaa ctg aca cct agt gat			2064
194	Leu Ala Thr Glu Ser Leu Lys Asn Ser Ala Glu Leu Thr Pro Ser Asp			
195	675	680	685	

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/677,752

DATE: 10/12/2000
TIME: 18:31:08

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\10122000\I677752.raw

197	cat cct ttc tgg gga att aca gga gga cta ggc atg atg gtt tac	2112
198	His Pro Phe Trp Gly Ile Thr Gly Gly Leu Gly Met Met Val Tyr	
199	690 695 700	
201	caa gat cct cga gaa aat cat cct gga ttc cat atg cgc tct tcc gga	2160
202	Gln Asp Pro Arg Glu Asn His Pro Gly Phe His Met Arg Ser Ser Gly	
203	705 710 715 720	
205	tac tct gcg ggg atg ata gca ggg cag aca cac acc ttc tca ttg aaa	2208
206	Tyr Ser Ala Gly Met Ile Ala Gly Gln Thr His Thr Phe Ser Leu Lys	
207	725 730 735	
209	ttc agt cag acc tac acc aaa ctc aat gag cgt tac gca aaa aac aac	2256
210	Phe Ser Gln Thr Tyr Thr Lys Leu Asn Glu Arg Tyr Ala Lys Asn Asn	
211	740 745 750	
213	gta tct tct aaa aat tac tca tgc caa gga gaa atg ctc ttc tca ttg	2304
214	Val Ser Ser Lys Asn Tyr Ser Cys Gln Gly Glu Met Leu Phe Ser Leu	
215	755 760 765	
217	caa gaa ggt ttc ttg ctg act aaa tta gtt ggg ctt tac agc tat gga	2352
218	Gln Glu Gly Phe Leu Leu Thr Lys Leu Val Gly Leu Tyr Ser Tyr Gly	
219	770 775 780	
221	gac cat aac tgt cac cat ttc tat acc caa gga gaa aat cta aca tct	2400
222	Asp His Asn Cys His His Phe Tyr Thr Gln Gly Glu Asn Leu Thr Ser	
223	785 790 795 800	
225	caa ggg acg ttc cgt agt caa acg atg gga ggt gct gtt ttt ttt gat	2448
226	Gln Gly Thr Phe Arg Ser Gln Thr Met Gly Gly Ala Val Phe Phe Asp	
227	805 810 815	
229	ctc cct atg aaa ccc ttt gga tca acg cat ata ctg aca gct ccc ttt	2496
230	Leu Pro Met Lys Pro Phe Gly Ser Thr His Ile Leu Thr Ala Pro Phe	
231	820 825 830	
233	tta ggt gct ctt ggt att tat tct agc ctg tct cac ttt act gag gtg	2544
234	Leu Gly Ala Leu Gly Ile Tyr Ser Ser Leu Ser His Phe Thr Glu Val	
235	835 840 845	
237	gga gcc tat ccg cga agc ttt tat aca aag act cct ttg atc aat gtc	2592
238	Gly Ala Tyr Pro Arg Ser Phe Ser Thr Lys Thr Pro Leu Ile Asn Val	
239	850 855 860	
241	cta gtc cct att gga gtt aaa ggt agc ttt atg aat gct acc caa aga	2640
242	Leu Val Pro Ile Gly Val Lys Gly Ser Phe Met Asn Ala Thr Gln Arg	
243	865 870 875 880	
245	cct caa gcc tgg act gta gaa ttg gca tac caa ccc gtt ctg tat aga	2688
246	Pro Gln Ala Trp Thr Val Glu Leu Ala Tyr Gln Pro Val Leu Tyr Arg	
247	885 890 895	
249	caa gaa cca ggg atc gcg acc cag ctc cta gcc agt aag ggt att tgg	2736
250	Gln Glu Pro Gly Ile Ala Thr Gln Leu Leu Ala Ser Lys Gly Ile Trp	
251	900 905 910	
253	ttt ggt agt gga agc ccc tca tcg cgt cat gcc atg tcc tat aaa atc	2784
254	Phe Gly Ser Gly Ser Pro Ser Ser Arg His Ala Met Ser Tyr Lys Ile	
255	915 920 925	
257	tca cag caa aca caa cct ttg agt tgg tta act ctc cat ttc cag tat	2832
258	Ser Gln Gln Thr Gln Pro Leu Ser Trp Leu Thr Leu His Phe Gln Tyr	
259	930 935 940	
261	cat gga ttc tac tcc tct tca acc ttc tgt aat tat ctc aat ggg gaa	2880

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/677,752

DATE: 10/12/2000
TIME: 18:31:09

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\10122000\I677752.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date



Creation date: 11-24-2003

Indexing Officer: PDO1 - PHU DO

Team: OIPEBackFileIndexing

Dossier: 09677752

Legal Date: 02-07-2001

No.	Doccode	Number of pages
1	IDS	2
2	FOR	293

Total number of pages: 295

Remarks:

Order of re-scan issued on